Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	04/06/2015 11:23 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/20/2014 10:06 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124577	-1	1.79	124414	1.71
Blue	F	SSC	125000	124608	-1	2.87	125655	2.67
Blue	E	FITC	17374	16814	-4	2.34	948	8.09
Blue	D	PE	22653	22021	-3	1.97	997	7.15
Blue	B	PerCP-Cy5-5	64987	64371	-1	2.57	1705	11.57
Blue	A	PE-Cy7	74081	72445	-3	3.59	960	22.46
Red	C	APC	61430	60762	-2	2.37	3436	7.61
Red	A	APC-Cy7	88289	87594	-1	2.45	1738	7.59
Violet	B	V450	12535	12095	-4	3.49	749	7.51
Violet	A	V500	47468	46346	-3	3.18	2619	5.55

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20172	6.77	576	-3	N/A	N/A	Pass
Blue	F	SSC	62341	1.83	494	5	N/A	N/A	Pass
Blue	E	FITC	103	33.53	509	0	0.0313	167	Pass
Blue	D	PE	207	22.06	502	1	0.2187	134	Pass
Blue	B	PerCP-Cy5-5	209	35.76	583	3	0.0144	36	Pass
Blue	A	PE-Cy7	73	86.48	639	2	0.0181	6	Pass
Red	C	APC	322	24.54	569	-1	0.0241	5	Pass
Red	A	APC-Cy7	110	37.44	546	0	0.0052	980	Pass
Violet	B	V450	79	38.55	456	7	0.0566	1767	Pass
Violet	A	V500	171	19.13	484	6	0.0163	0	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.64	47.70 - 71.54	N/A	N/A	-31.19	-30.93	0.79
Blue	20.46	16.35 - 24.53	1.25	1.00 - 1.50	0.00	0.00	1.23
Red	17.31	13.07 - 19.61	N/A	N/A	31.49	31.80	1.11

Window Extension: 7.00
FSC Area Scaling Factor: 0.85

Threshold

Threshold (FSC): 9797

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments